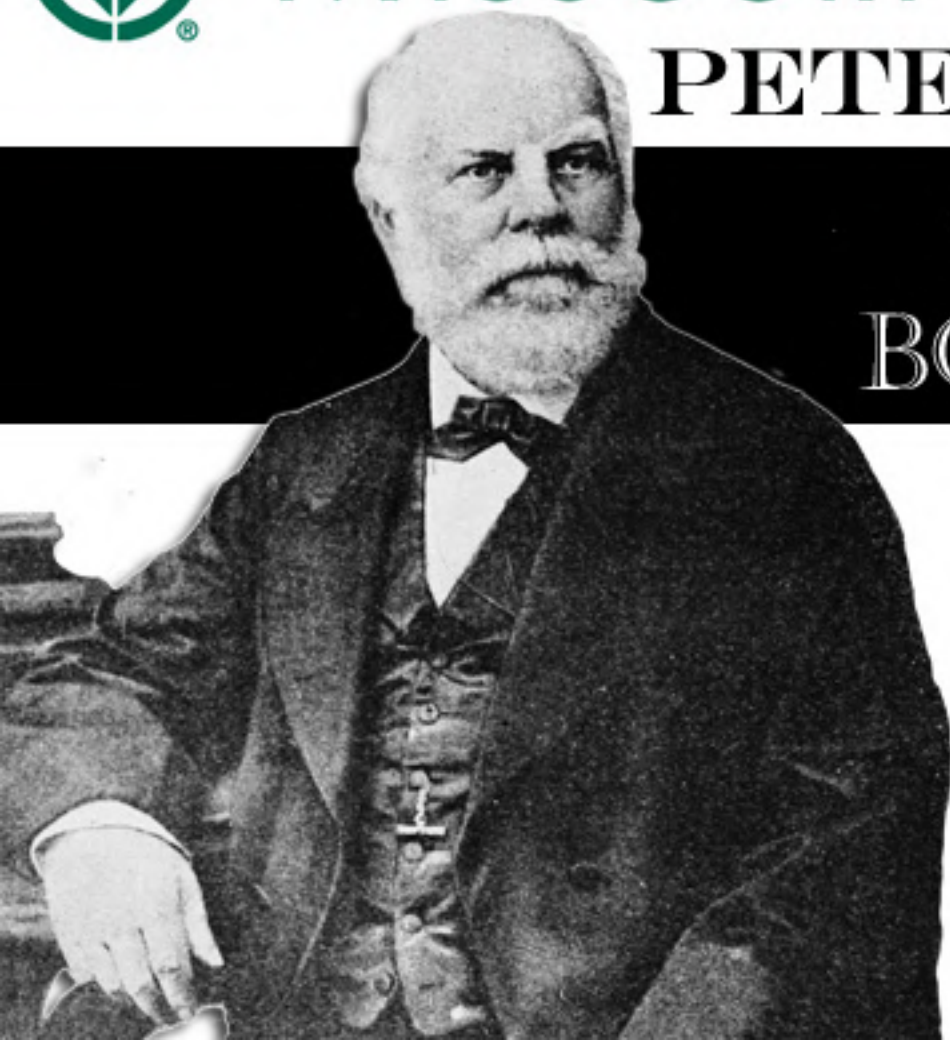


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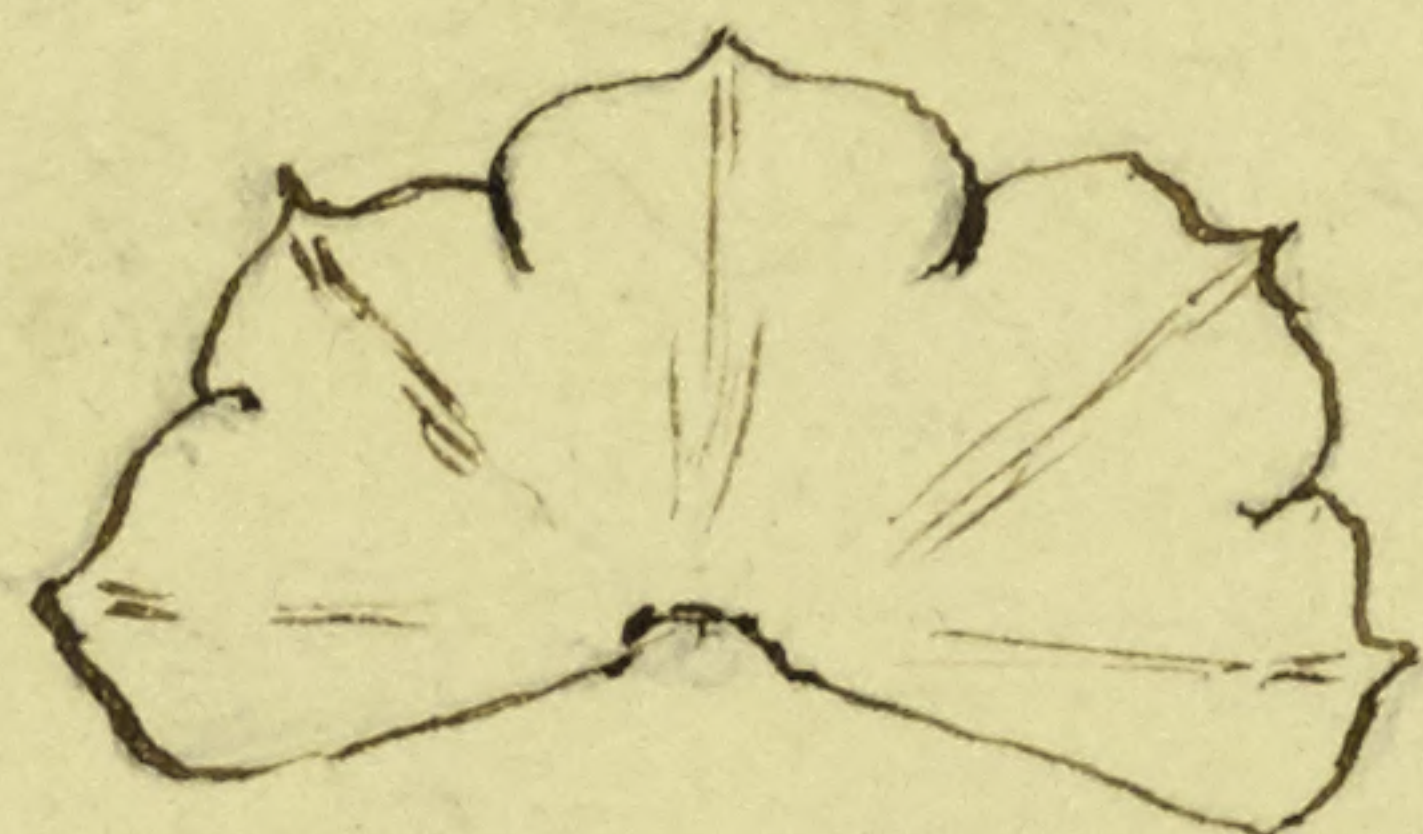
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Stolon 1844



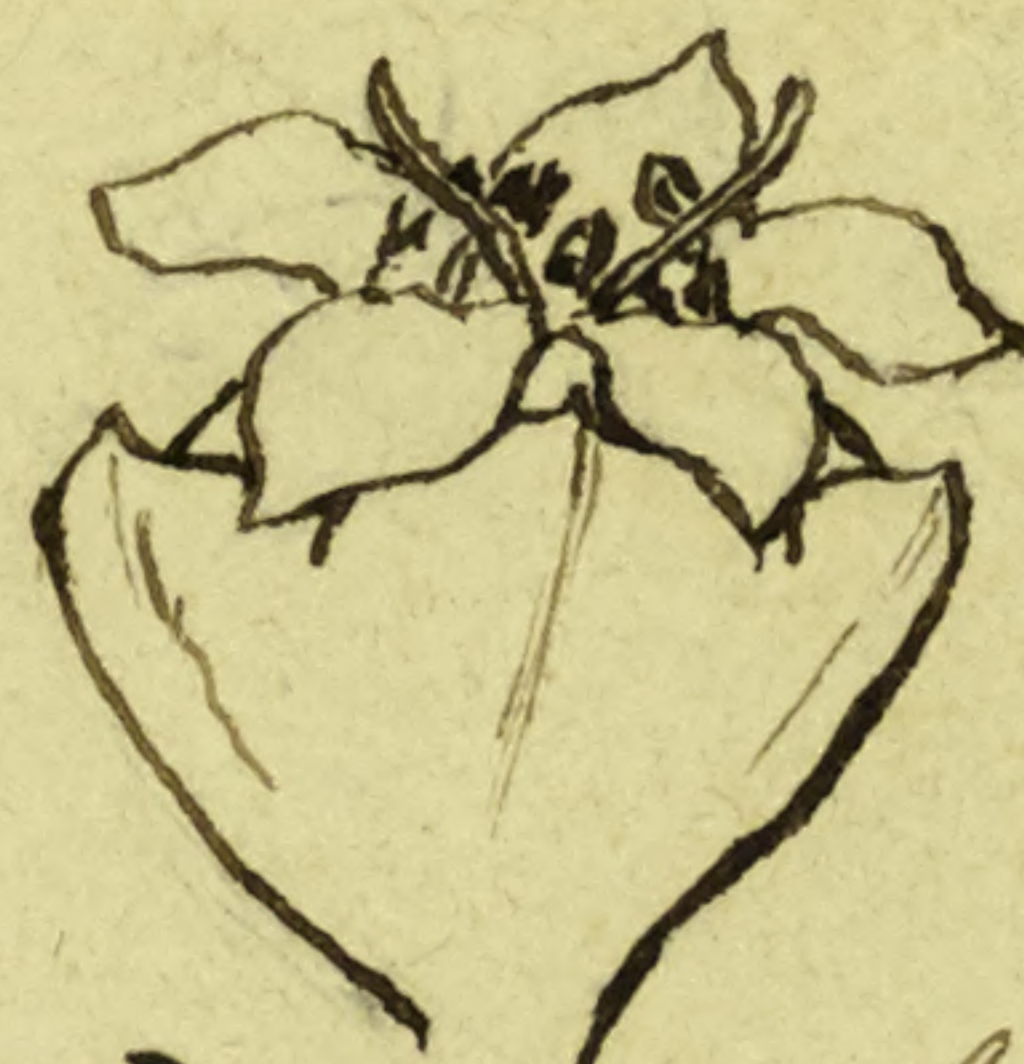
corolla from above



calyx expanded  
or laid open  
from behind.



upper part  
of ripe Capsule



ripe capsule  
with the dry corolla



corolla taken  
from the ripe capsule

2/



flower



young



capsule  
half ripe

all

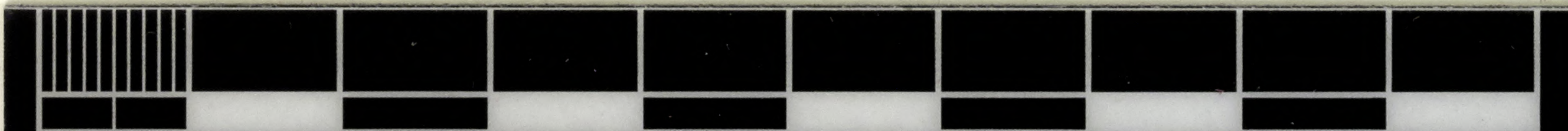
*Cuscuta cuspidata* n. sp.

1, Altai, on *Artemisia* Ledeborn

2, Desertum Tauricum, on *Medicago*  
Ledeborn

3, Circassia, on the *Trock*, on *Medicago*  
Ledeborn

3/



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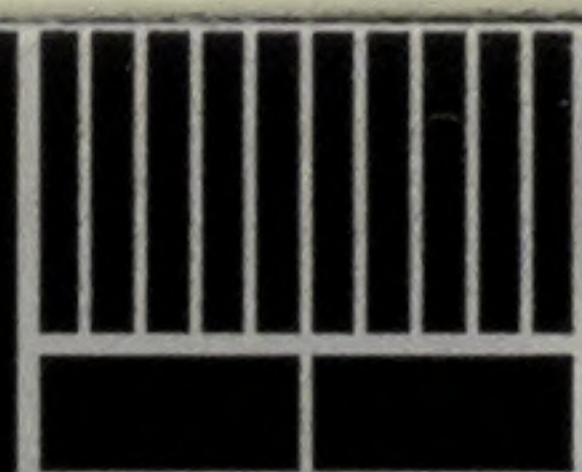


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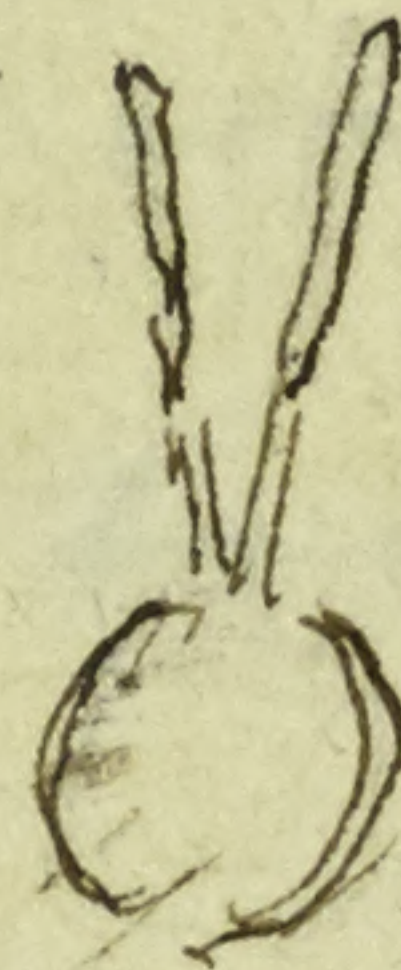
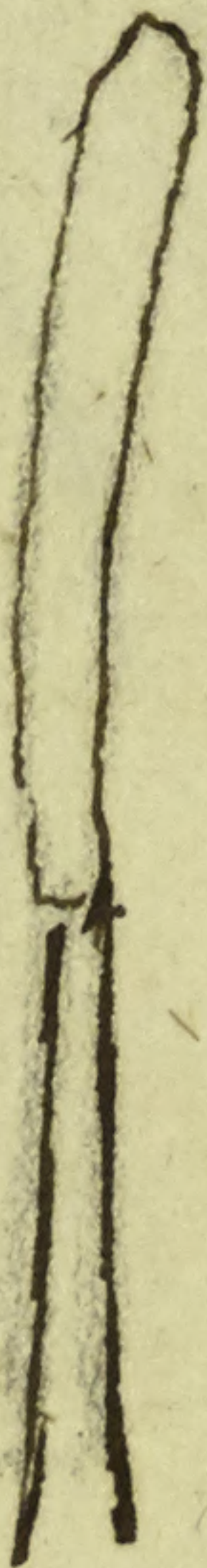
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*Cuscuta calycina*  
 Reichenbach (N. 7.) leg.  
 Piemont, Col de Bray  
 1 on ground

floribus arcte sessilibus glomeratis  
 calyce membranaceo tenui <sup>late</sup> cupulato - infundibuliformi  
 apice solus 5 lobus, lobis  
 orbiculato <sup>transversis</sup> cuspidatis, <sup>imbricatis</sup> ~~obtusis~~ fere  
 totum includentibus; laciniis ovell. tub.  
 infundibuliform. fere aequalibus vel eo paulo  
 brevioribus; ovellis <sup>late</sup> imbricatis obtusis cuspi-  
 datis, staminibus brevioribus, antheris ovellis  
 saepe orbiculatis, filamentis <sup>filiformibus</sup> cylindricis  
 brevibus, squamis alto adnatis fauce fere  
 aequalibus, frimbriatis, stylis ovario ovato  
 longioribus parte stigmatibus basi longiore.



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20 or 40 flowers

in one branch (A. Brown)

Xanthoxis, from putrid bay

*Cuscuta approximata*  
Weilbach, Andis

1844 & 1845 on  
mud sage sativa

vide Jahrbuch des Vereins für  
Natur Kunde im Heggthen  
Nassau

M. J. Wiesner 1851

Caule filiformi, glomeris <sup>tuberculo</sup> compactis  
nullifloris sphaeris; calyce brownido angulato  
membranaceo basi fere in petiolum attenuato; lobis  
ovatis acuminatis, imbricatis, tubo calycis multo  
brevioribus, ~~corollae~~ <sup>corollae</sup> fere totum involucentibus!  
laciniis ovatis triangularibus acutiusculis  
tubo paulo brevioribus; imbricatis; staminibus  
coaequalibus; antheris ovato oblongatis filamentis  
longioribus; squamis margini ovarii cinctis fere  
bistatis integris s. bifidis — stylis ovario brevioribus



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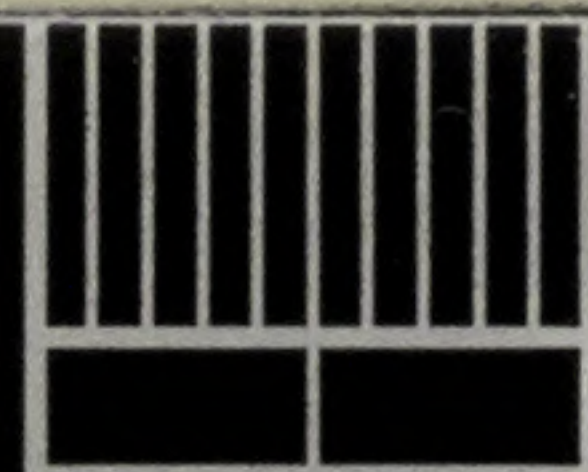
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longioribus; parte stigmatosa octavo style longiore, attenuata;  
capsula inclusae, ~~stilla~~ calyptrata obliqua (capsule of  
equal length to the styles)

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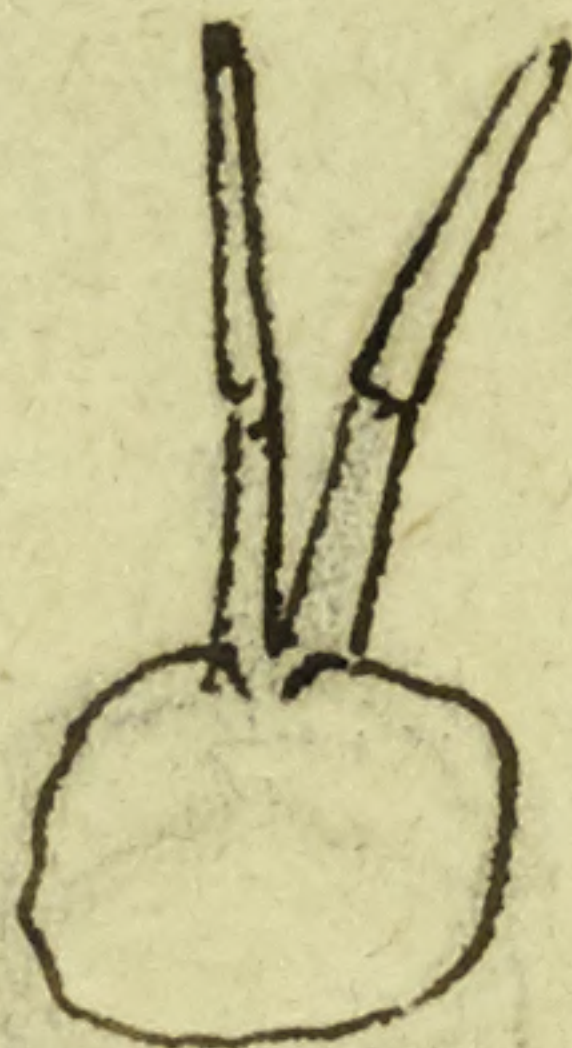
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*Cuscuta approximata* Bab.  
Annals & Magazine of Nat. Hist. !  
Anglia - Dorsetshire

March 1844  
No. 83



a little too brown

Caule filiformi, glomerulis  
arcte compactis, floribus sessilibus;  
calycis obconici <sup>membrani</sup> lobis ovatis obtusis  
tubo ipso aequalibus; tubo corollae multo  
superantibus; laciniis late ovatis <sup>tubo brevioribus</sup> triangularibus  
obtusiusculis, staminibus superantibus, antheris  
oblongis ~~filamentum~~ angustibus; squamis  
bifidis nudis tubo adnatis fimbriatis.  
Stylis saltem nudis stigmatibus versis  
apice attenuatis, ovario crasso longioribus



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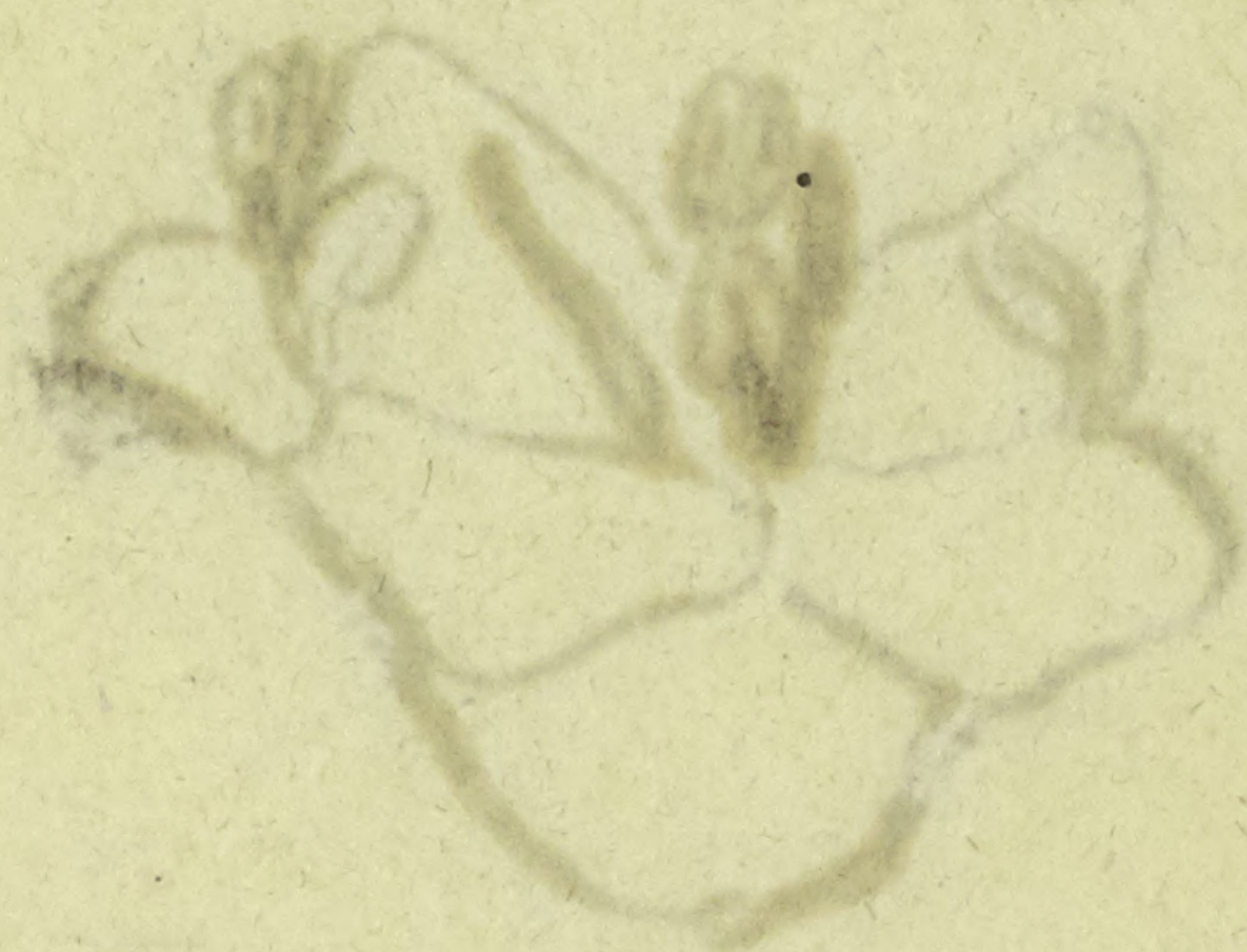
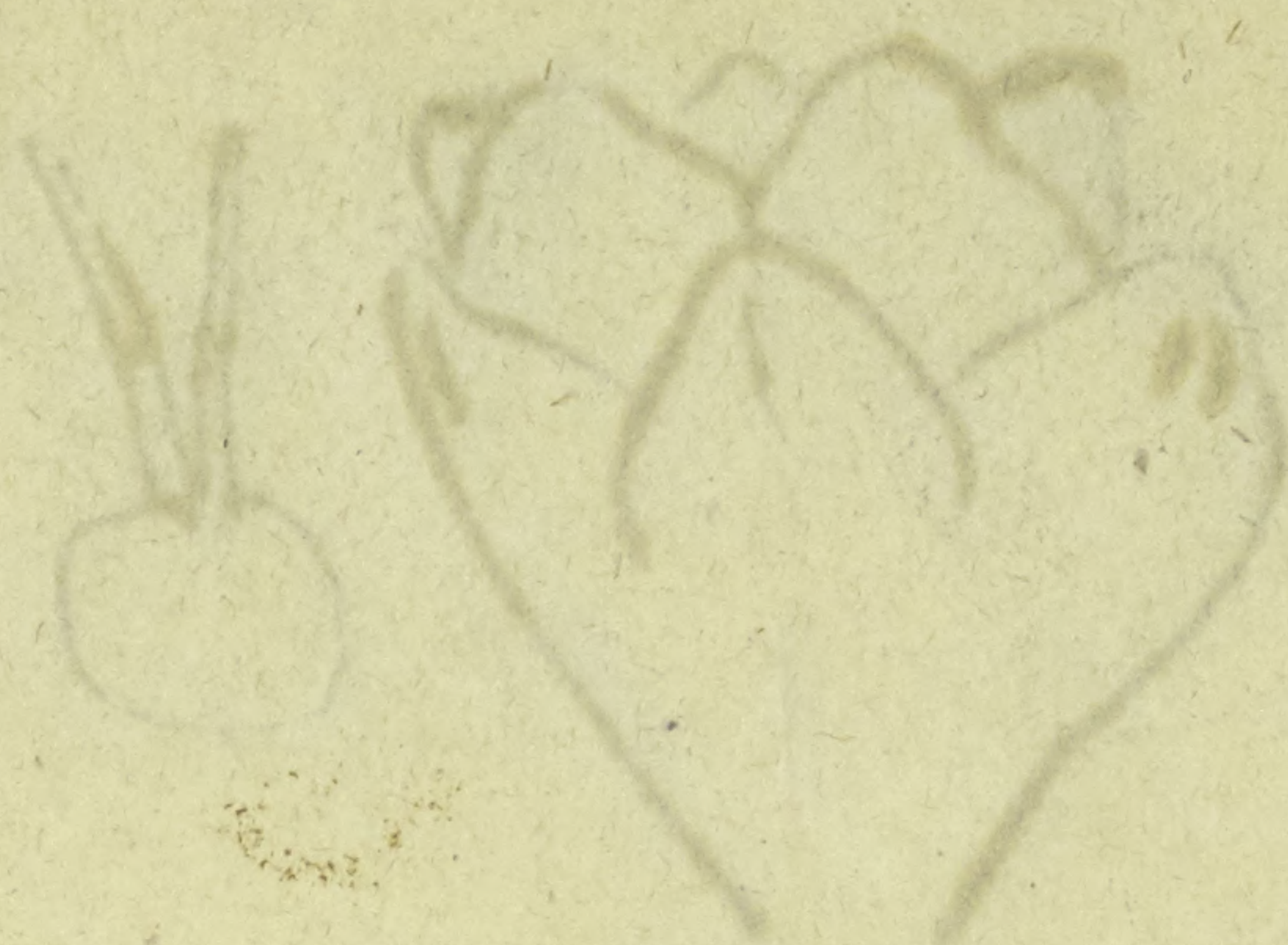


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Cucurbit.

Broussa, Bithynia

Dr Thierke

Hb. Schultz &amp; Hb. Griseb

glomerulis globosis multifloris  
 floribus sessilibus; calyce obconico-  
 cupulato lobis latius cuspidatis  
 imbricatis tubo corollae longioribus  
 laciniis ovatis cuspidatis, tubo  
 aequalibus; antheris orbiculato-ovatis  
 filamento aequalibus; squamis ovatis  
 ovatis, stylis stigmatibus attenuatis  
 brevioribus



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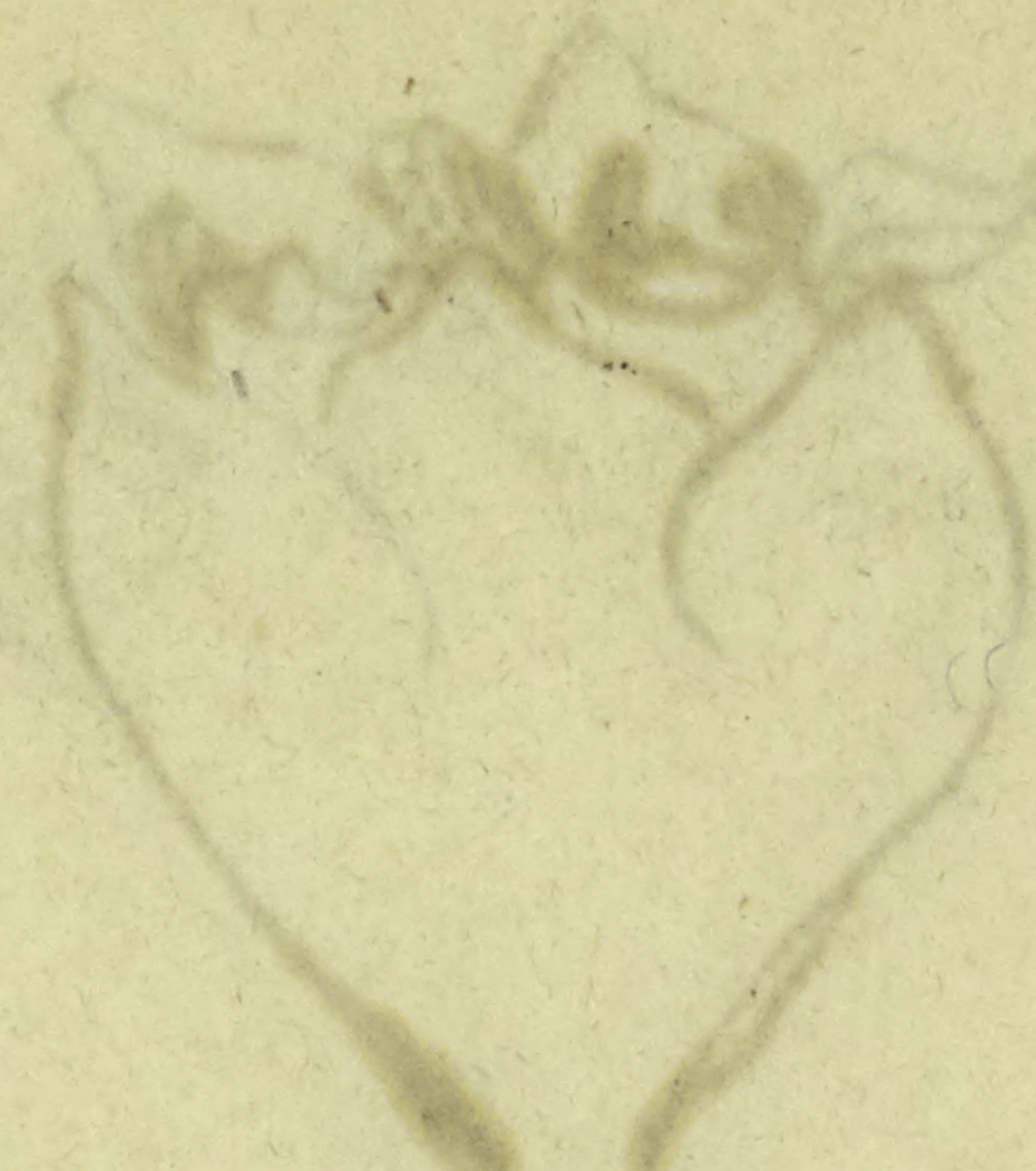


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Berlin May 1857



Cuscuta minor

e Russia australi s. Crimea  
voyage de Decandolle  
on some labiate (Sclerog?)  
Cag. DeCandolle Hb. reg. Berlin

1.3



glomerulis compactis paucifloris  
fl. ante aestivum, minoribus  
Cil lobis per ad basin distinctis  
lanceolatis, obtusiusculis  
tubo corollae septatis;  
lacini tubo aequalibus, aeq. ov  
paulo longioribus; ovulis acutiusculis  
demum patentibus; antheris filum aeq. 19. parvis  
ovatis, renatis; (stylis ovam aequantibus)

(? only ripe capsules seen) capsula breviter; stylis  
stylis aequalibus) sem verrucos.  
See next page



Paris July 1857



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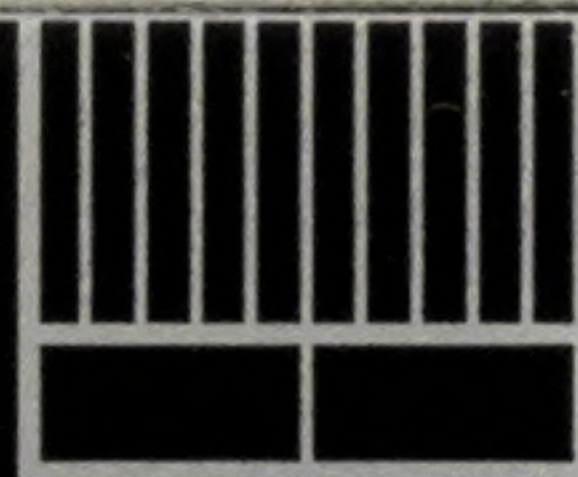


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A reexamination of this plant from herb. Mus Paris  
Herb Gay and Herb Berlin (all under the same label  
that of Gay labeled: Dr. Leveillé L'impérator  
Crimée, et Thèse humilis) proves to me that  
the styles are not short, and that the plant belongs to  
*C. approximata planiflora*, it has the very rough  
seeds of this plant the sessile, flowering style longer  
than ovary, about as long as capsule, ovation  
gular or bluntly cuspidate latihorn of corolla, a  
little thickened at apex etc — but lobes of corolla  
often connivent in fruit and lobes of calyx deeply  
divided. — It is one of the 1000 forms of *C. planiflora*

In herb Delmont apparently the same specimen  
is labeled "Orsowa, Moldavia" Dr. Leveillé, Voyage dans la Russie  
méridionale etc



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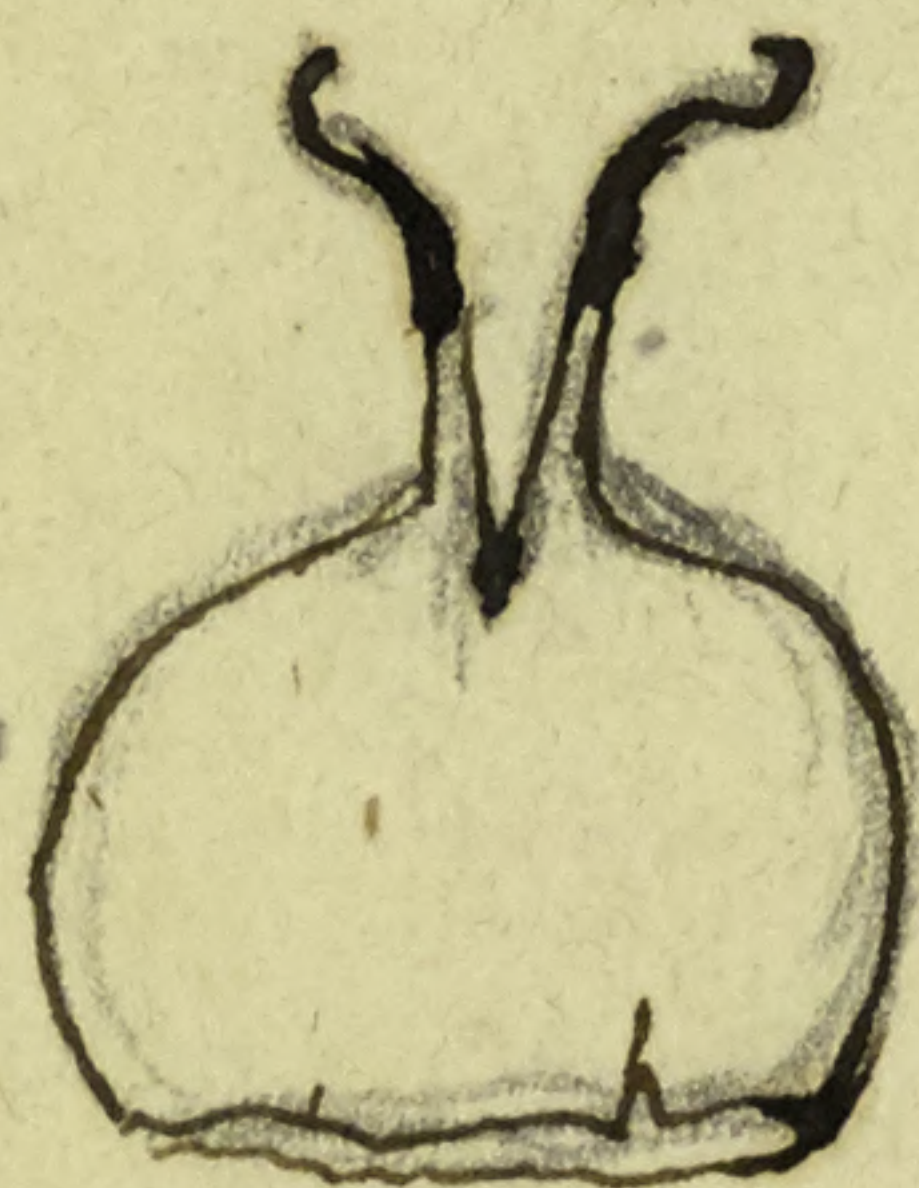
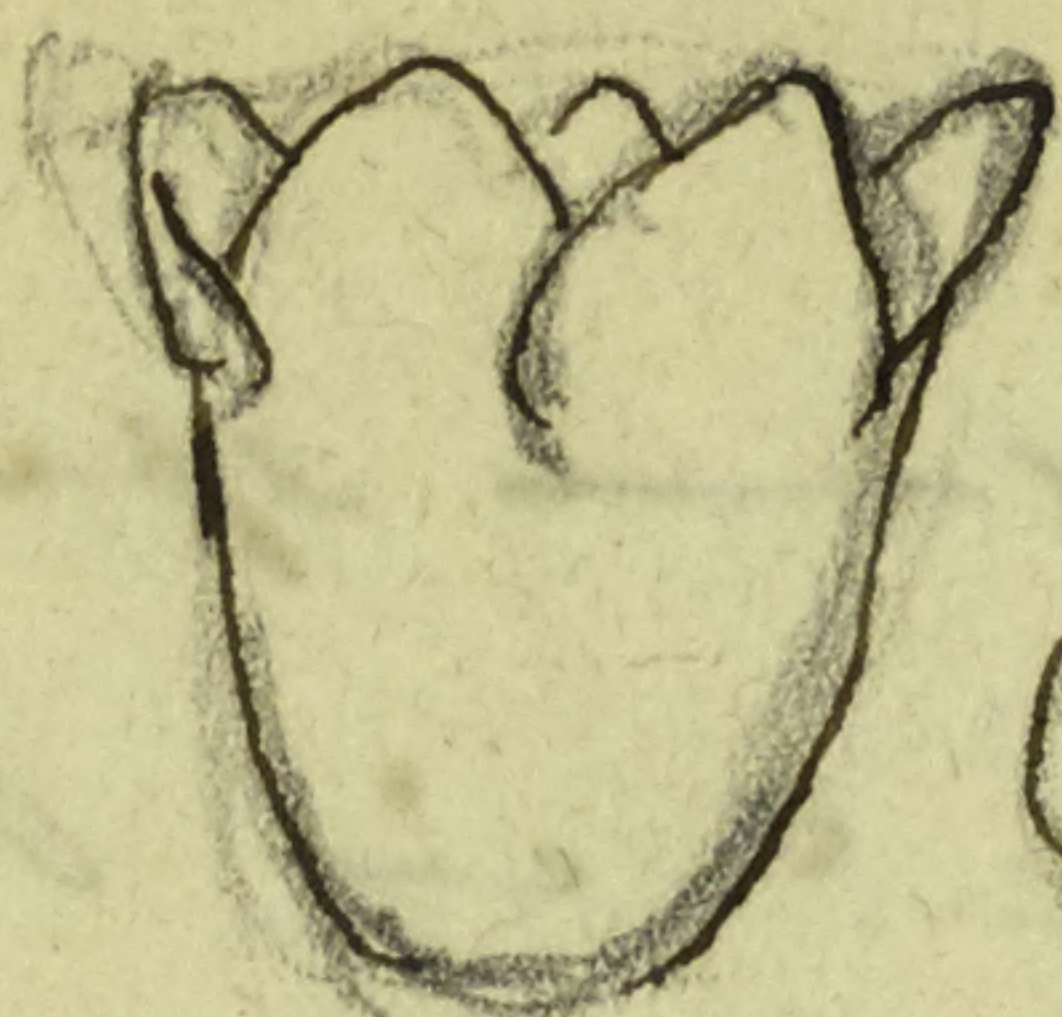
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1-1.2



84

~~Cassia calycina Willd.~~

Sierra Nevada

3000 - 6000' high

W. Phil Schimper by July 4/

(in Herb. Boiss.)

On Lavandula, Digitalis, Monarda  
et

flowers 1-1 1/4 lin long;

calyx divided only at top -

lobes of calyx and corolla  
obtusely or acutish

style as long as stigma -

both equal in length to the

capsule - seed only 0.4

long - verrucose - (when

dried half ripe, they are smooth,  
pale yellow and with an elate  
or thin margin (like Desmodium!  
succata?)

(C. involucrata Kze)

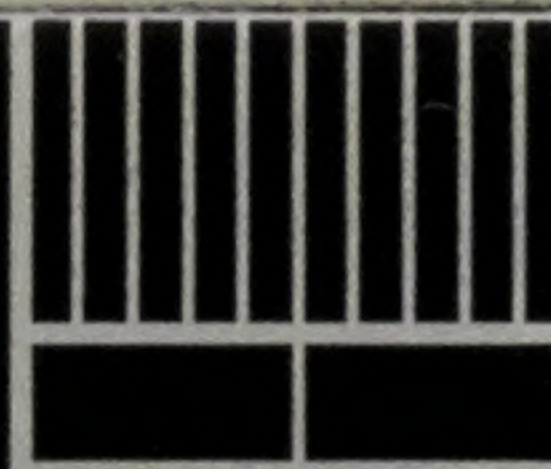
Willkommen, No. 263 from the Sierra Nevada

Flora vol 31. (1846) pag 651 - Artemisia

is the same thing - only flowers a little

larger, 0.4 - lobes of corolla obtuse

ovoid



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Kunze: *Stigmaphiton reflexis* " is the case only in fruit  
also the " : corolla unpeolate "

Kunze has found, he says, the same species on Chrysanthemum  
in Georgia near Tanna and in Piemont

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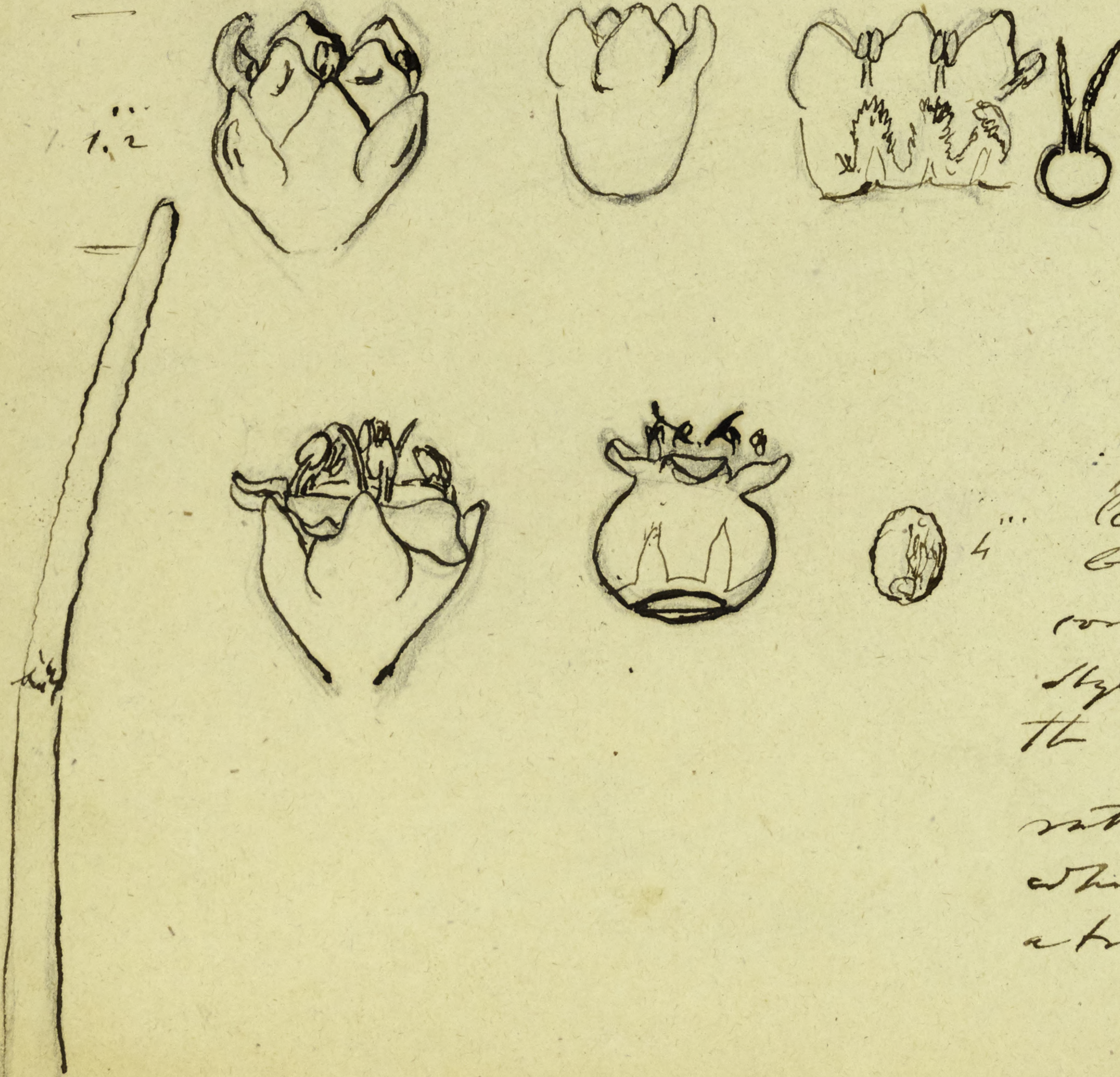
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*Cuscuta planiflora* Ten  
fide Reuter

*Sanguina*, on *Vitex Agnus Castus*  
1 Aug. 1853 Ballanza N. 412

H. Conson.      We grüße

glomerately. glomeris multifloris  
ante  
fl. sessilibus. cal. carnosus  
lobis ovatis acutiusculis, em-  
bracteis ad axillam cuneatis;  
corolla vix exserta;  
stylis longis & slender, longioribus  
the Capsule; stigma scarcely  
rather as unusual <sup>attached</sup> from  
which together with M127 forms  
a transition to other forms.



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*Cucurbita planiflora* Spirileg  
 flor. Rum. Giseb.  
 an Tenon?

*Carlotta*; Thunberg  
 leg. Fernaldski  
 ex herb. Gisebach

This seems intermediate  
 betw. approximate & meridional  
 must be again examined.



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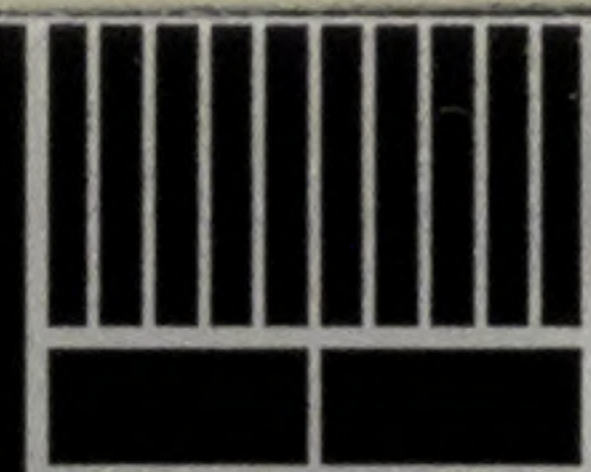


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152.

= 128

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*Cuscuta virgata*

on *Galium verum*, *Trinobus*  
*Ballaenya* No 414 <sup>414</sup> - *Asia minor*  
 Hb. Griseb.  
 Hb. Comm 34



very similar to the *Broussonet* plant  
 fig. 128 - styles rather short and  
 in some respects forming a transition  
 to *C. alba*, for which it is  
 mainly distinguished by the more  
 united calyx lobes, want of  
 the intermission at the top of corolla  
 lobes, and by the many flowered  
 glomerules.



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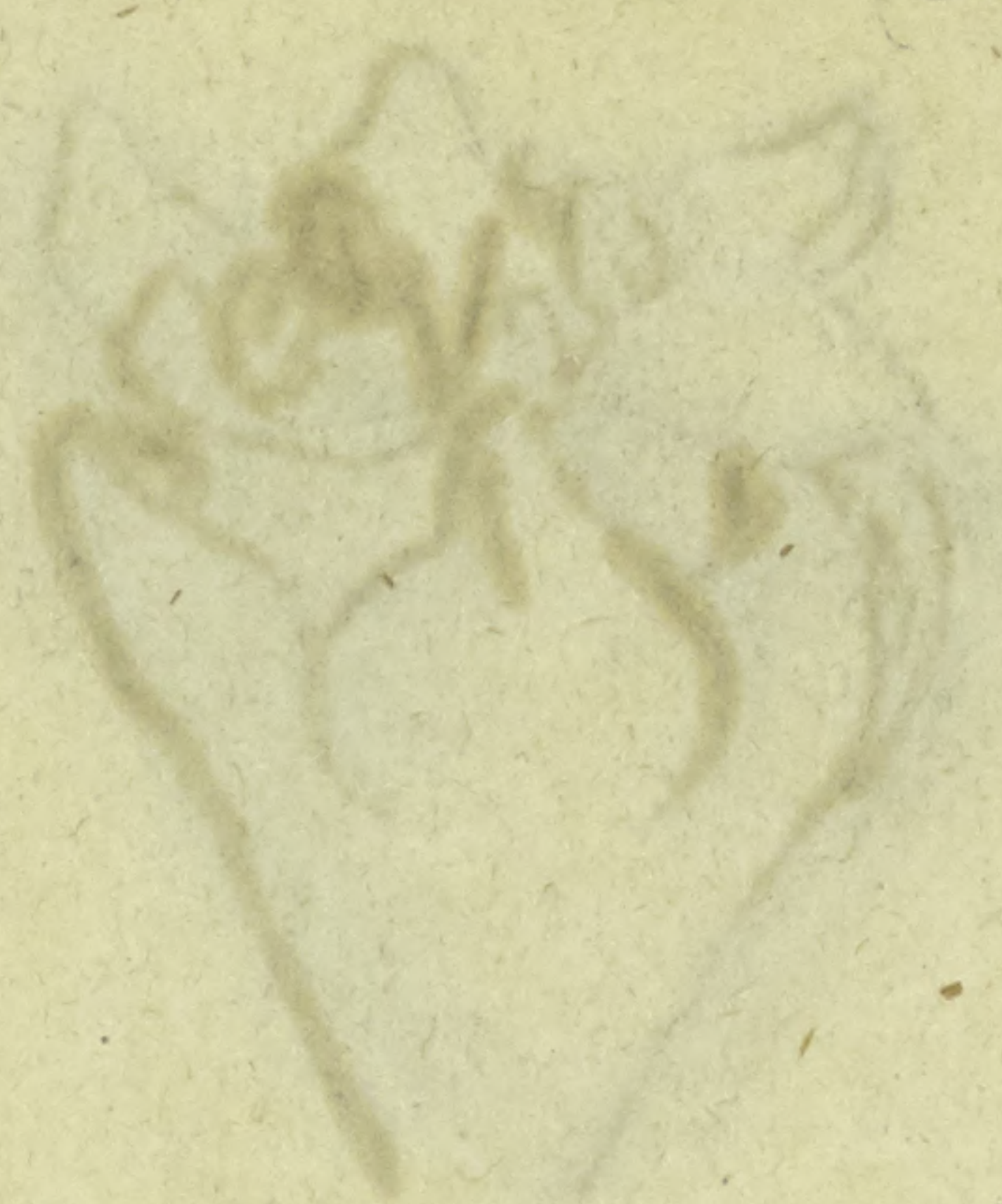


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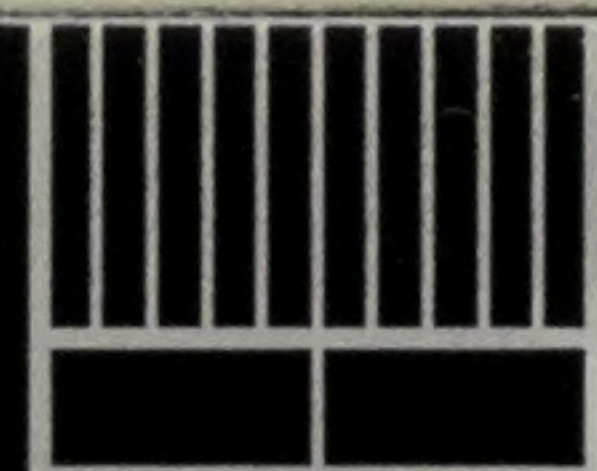
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*Cuscuta* *approximata*  
 N. 104 herb Mus Palat. Vindob.  
 Litor Orsa & Suctrock Syria  
 (H. Lenormand)

I cannot distinguish this  
 from the common form of  
*approximata* from Asia minor  
 and the Black Sea —



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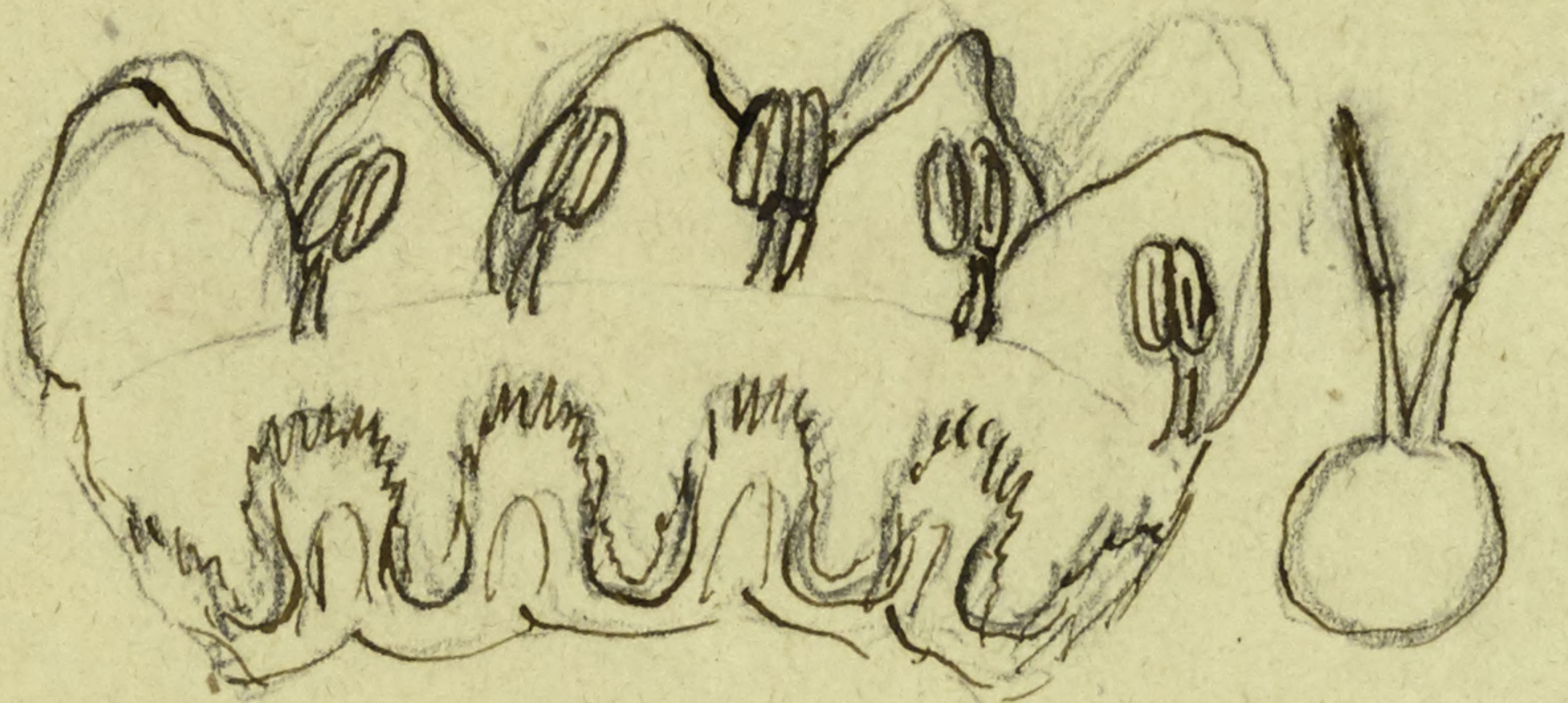


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127

= 128



Cuscuta

Annularis

Grisebach

calycis 5-lobi <sup>floribus ante seculum</sup> late ovulatis  
 calycis, tenuis immixtae <sup>late ovulatis</sup> lobis  
~~quibus~~ subinde subovatis ovatis obtusius-  
 culis subrotatis; tubo corollae longioribus;  
 facies ovatis subrotatis, acutiusculis  
 v. subrotatis obtusiusculis; antheris  
 majoribus oblongis-ovatis, filamentum  
 aequalibus; squamis fibrilatis  
 spatulatis tubo brevioribus; stylis  
 stigmatibus aequalibus  
 stigmatibus sensim attenuatis versus apicem  
 obtusum.

Sontius lobus of Calyx still narrower



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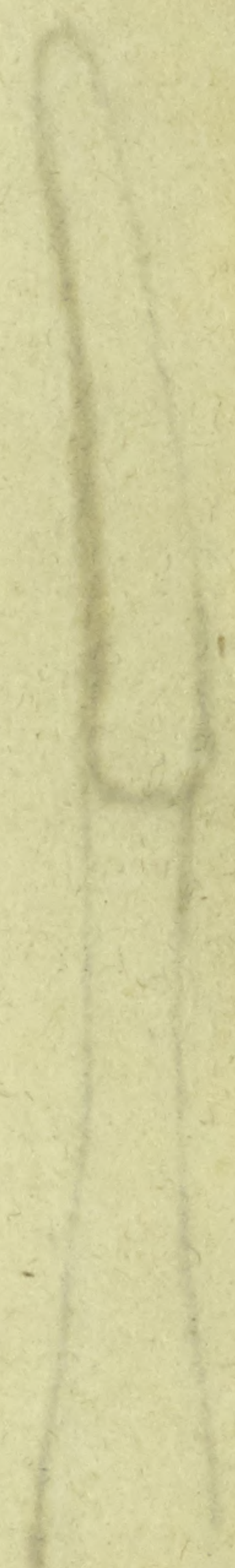


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planiflora  
minor

Paris July 1857

322 Cascate planiflora

Plateau rocheux de Khania  
(Crète)

V. Ravetii 1845

This is a ~~minor~~ form of *C. planiflora*, and forms perhaps  
a transition to *Crœtica*? — But it is always 5 parted  
and has all the characteristics of *planiflora*.  
Heads 2 lines or at most  $2\frac{1}{2}$  lines — Diameter (— fruit)  
flowers scarcely 1 line long —



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265

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Paris July 1857

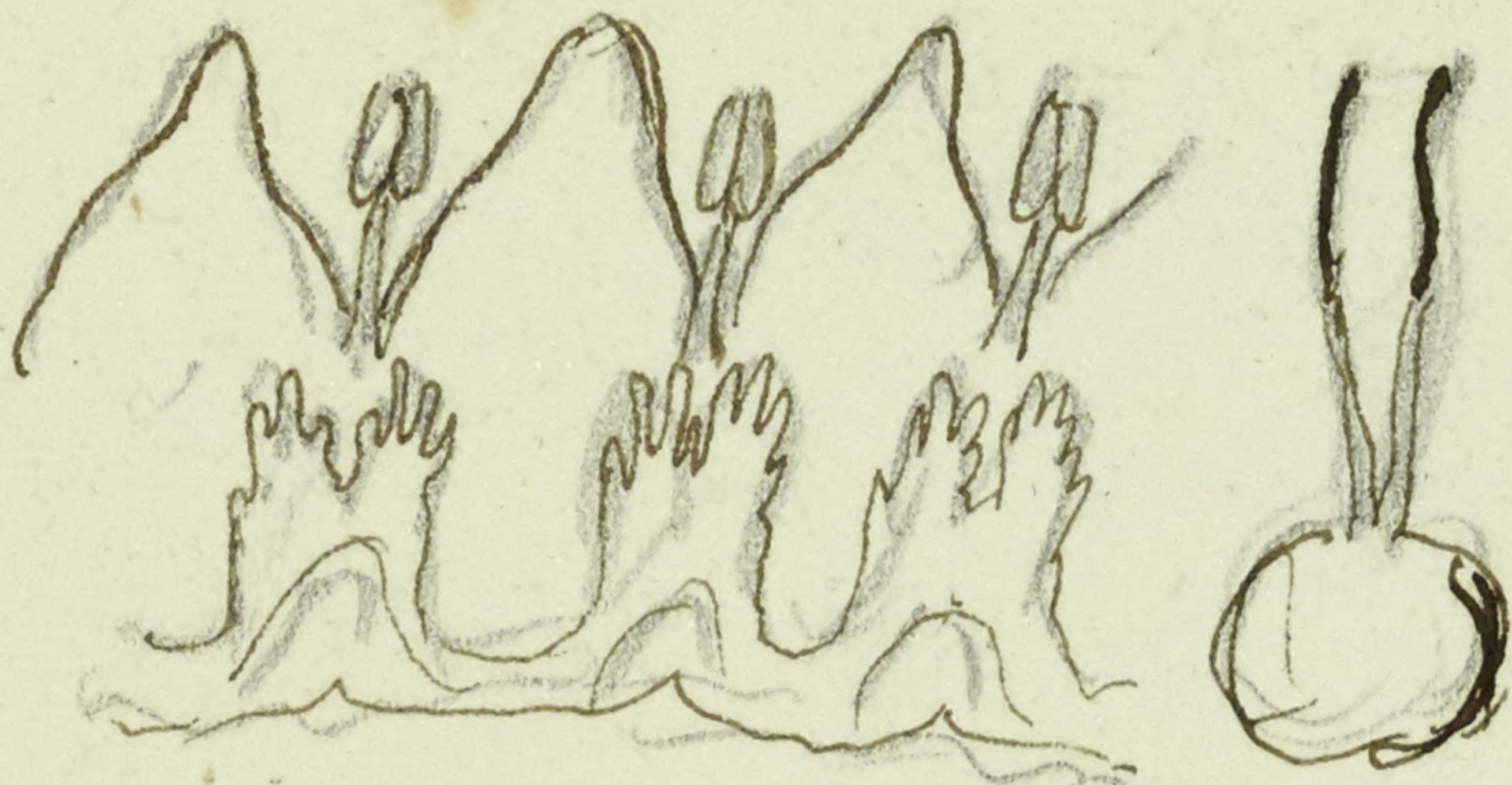
Abyssinia

*Cuscuta macrostyla* Dne  
ms

Abyssinia

on some small leguminous  
shrub, *Cytisus* or the like

Quarter Dollar &amp; Petit



flowers mostly 4 parted

This is exactly the same plant  
figured 178, also collected by  
the same — but distinguished  
by the much shorter lobes of  
Corolla! It approaches much  
nearer therefore to *C. Epithymum*  
from which it can scarcely be  
distinguished; scales divided  
styles very slender, & lobes  
of corolla in fruit incurved. it may  
be named. : *abyssinica* var *brachyloba*!

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4. Cusc p. 464

*C. planiflora* Tenor

(Enclosed 56-118)



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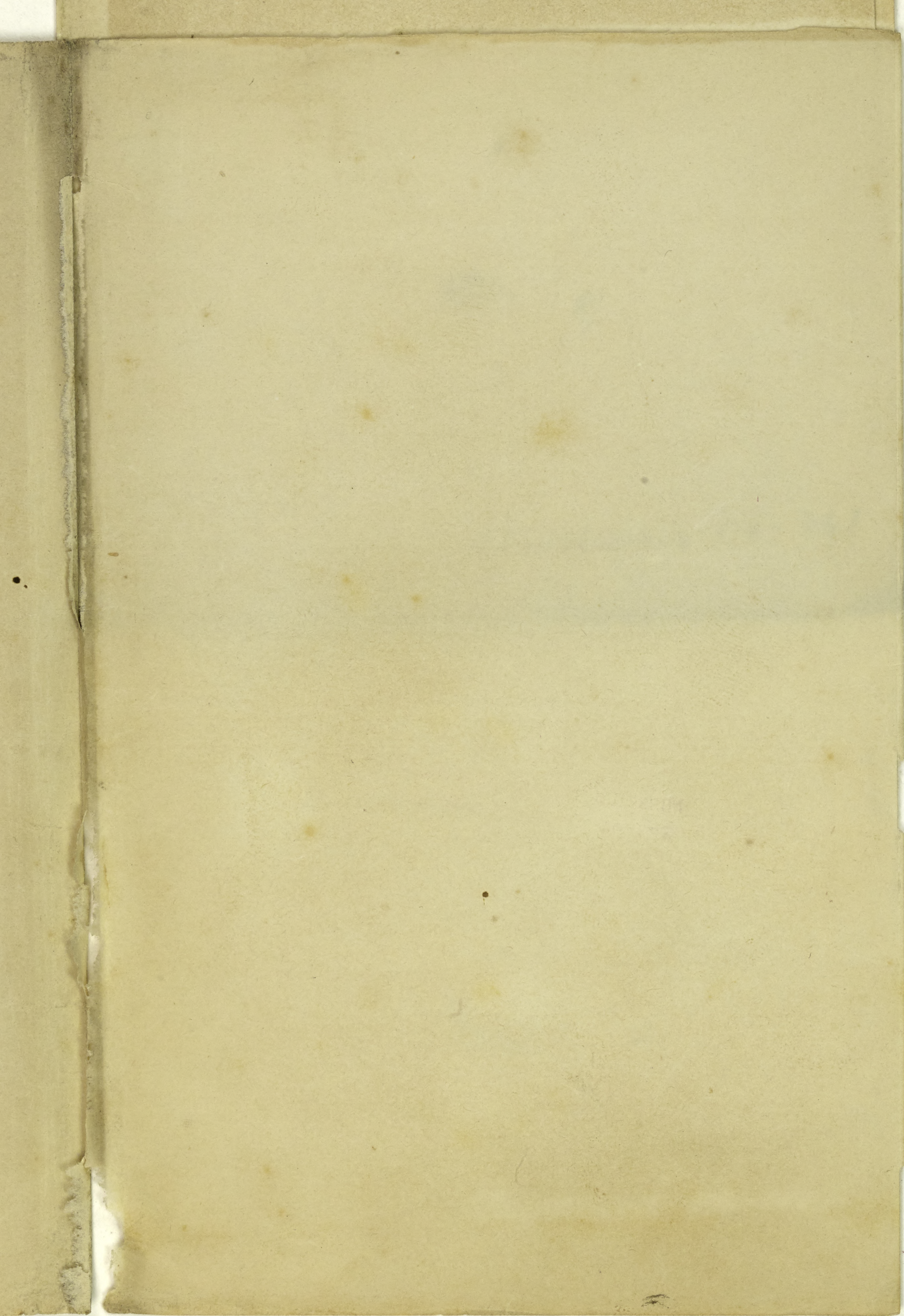
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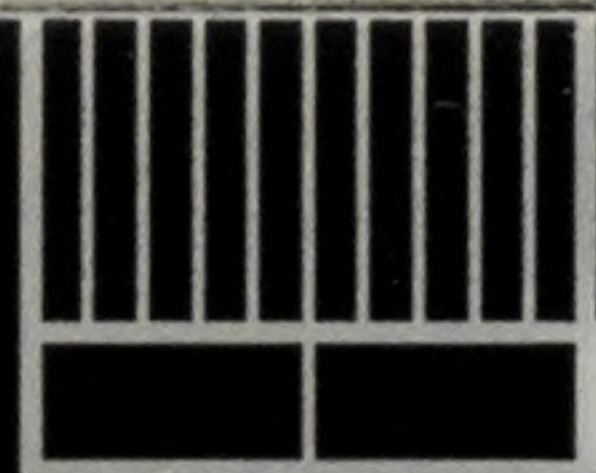


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Cust. p. 465

*C. planiflora*

& *approximata*

(into *planiflora* vivum

et *Epithymum rubicundum*

(Enclosed 5-6-79)



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*Handwritten text, mostly illegible due to fading and bleed-through from the reverse side. Faintly visible words include "C. ...", "approximate", and "number 2-14" at the bottom.*



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planiflora  
approximate  
unrelata

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